

Experience

- 2014-Present **Member of Technical Staff, Oracle America**, Santa Clara, CA.
- **Oracle Public Cloud.** Working with the teams involved engineering Oracle's public cloud platform technology such as Java as a Service (<https://cloud.oracle.com/java>) and Database as a Service (<https://cloud.oracle.com/database>).
 - **WebLogic Server** infrastructure and messaging group. Load balancing in dynamic clusters, foreign JMS provider support, JMS 2.x spec implementation.
- 2013-2013 **Development Engineer, Pramati Technologies**, Hyderabad, India.
- Analysing GitHub social coding dynamics
- Designed and implemented an application which uses GitHub activities of various users and their public repositories to analyse the growth curve of the repositories and related user dynamics
 - Developed algorithms and user behaviour patterns were to be inculcated in SocialTwist division of Pramati
 - Open-sourced code at GitHub : <https://github.com/geekypunk/GitHubTrends>
- 2011-2012 **Software Engineer, SAP Labs, Business objects division**, Bangalore, India.
- Part of a team responsible for development of Search based business analytics engine on top of SAP HANA database appliance.
- Coded some of the major features of the engine, which were a pivotal part of suggest and search workflow
 - Co-authored an in-house patent pertaining to suggest-n-search workflow of the application
 - Was also briefly involved in the development of iOS client app for this engine

Education

- 2013-Present **MEng in Computer Science, Cornell University**, Ithaca, NY.
- Courses** :- Information Retrieval, Databases, Software Engineering, Scripting Languages, Large scale Information Systems, Cloud Computing, E-Commerce
- 2007-2011 **B.Tech, Indian Institute of Information Technology**, Allahabad, India, B.Tech(Honors) in Information Technology.
- Courses** :- Data structures and Algorithms, Information retrieval, Databases, Operating Systems

Computer skills

Good	Java	Average	C, C++
Passable	Python, Javascript, Shell	Exposure	iOS, Android, HTML, CSS, L ^A T _E X

Awards and Achievements

- August 2012 **Outstanding productivity by a newcomer, SAP Labs**, Bangalore, India.
Work ethics and patent filing
- March 2006 **Bronze momento, 9th National Science Olympiad by SOF**, Hyderabad, India.
For securing a nationwide rank of 442

Patents

- **Systems and methods for searching data structures of a database**
Patent for search mechanisms used in building an "on-cloud" business analytics engine leveraging the capabilities of SAP HANA. Users can perform freeform text searches on their data and derive useful insights. [Published location](#).

Personal/Academic projects

- **Extraction of demographical and interest patterns** of bloggers by crawling Amazon's **CommonCorpus** data and **URLIndex** . Used Python(for crawling object on Amazon S3),Java,MySQL and **Maui** for topic extraction from text. GitHub location : <https://github.com/geekypunk/BloggerAnalytics>.
- **Hadoop implementation of Google's PageRank algorithm**
Done by performing two Map/Reduce jobs per iteration. The first job does pagerank distribution and aggregation based on outlinks. The second job takes care of danglinks links and random teleportation factor. Code in GitHub location : <https://github.com/geekypunk/PagerankHadoop>.
- **Machine Learning Compute Engine**
Building a "Compute as a Service" application to provide Machine learning algorithms on the cloud. Built to be fault-tolerant,highly available and reliable. Goal is to enable users to analyze their data using standard Machine Learning algorithms out of the box. So, instead of a user configuring an Amazon EC2 instance with his application code and running his algorithm, we will provide this solution through a simple and configurable dashboard. The user has to simply select the ML algorithm he wants to run through the dashboard, the data on which he wants to run the algorithm and the parameters (if any). The user does not have to write application code from the scratch. GitHub location : <https://github.com/geekypunk/elasticMLCompute>.